INDEX TO VOLUME 10

Abet, H. Zur Technik der Geisseldarstellung nach Gray, (abs.), 145
Acid-fast bacilli, staining of, 37, 39
Acid fuchsin, 5, 14, 18, 35, 38, 41, 71, 73
Acid fuchsin and methylene blue for subcutaneous tissue spreads, 35
Acid violet CBB, 112
Alcorn, G. D. A new staining technic for desmids, 107
Algae, staining of, 107
Alizarin, 69, 70
Alizarin red S, 37, 61, 83, 84
Anilin blue, 68, 70
Anilin blue WS. (China blue), 6, 30, 38, 53, 54, 55
Anilin blue (methyl blue), 53, 55
Anilin blue black, 55
Animal tissue, embedding of, 40, 66, 67
  sectioning of, 111
  staining of, 35, 64, 70, 71, 110
Artefacts in Marchi's staining method, 45
Atwell, W. J. The contributions of G. Carl Huber to microscopical technic, 79
Azo carmin G, 70
Azure A, 72, 76, 127, 129, 130
Azure II, 7, 65, 128, 133

Bacillus typhosus, staining of, 110
Backman, Elsa. A rapid combined fixing and staining method for plant chromosome counts, 83
Bacteria, negative stains for, 53
  staining of, 37, 38, 39, 53, 71
Baird, Thelma T. Methylene blue and acid fuchsin for subcutaneous tissue spreads, 35
Barnes, J. R.; H. A. Davenport and. The strip method for counting nerve fibers or other microscopic units, 139
Basic fuchsin, 4, 5, 6, 37, 38, 39, 40, 41, 43, 72, 73, 112, 145
Belling's green-light method for critical microscopy, notes on, 97
Belling method, microscope lamp especially designed for, 113
Benavides, J. Comments and procedure on thick blood film technic, (abs.), 65
Berlin blue, 55
Bier, Otto and M. Rocha E. Silva. Action des solutions concentrées de NaCl sur l'hémolyse et la fixation des érythrocytes par l'éosine irradiée, (abs.), 109
  Action du KCN sur l'hémolyse photodynamique, (abs.), 109
Black NBR, 55
Bleaching leaves, simple method for, 33
Bleu cibacète B, 109
Bleu de Lyon (see Lyons blue)
Bleu lumiere, 55
Blood, impregnation of, 68
  staining of, 65, 69, 70, 109, 112, 127
Blood stain, history of, 109
Blue B. Z. L., 109, 111
Bluish eosin, 3
Bone, staining of, 37, 61
Bordeaux red, 10, 14, 18
Briggs, Bernice; H. T. Hook and. Iodine-potassium-iodide, as a fixative and differential stain, (abs.), 37
Brilliant cresyl blue, 3, 17, 41, 72, 73
Brilliant green, 1, 2, 3, 39, 41, 73, 110
Buck, J. B. Permanent aceto-carmine preparations, (abs.), 66

Cancer, staining of, 110
Carbol fuchsin, 39, 40, 145
Carmin, iron aceto-, 101, 102
Celestin blue, 110
Cells in mammals, micro-manipulation of, 135
China blue, 53, 54, 55
Chlorate-osmic-formalin method for staining degenerating myelin, 87
Chondriosomes, staining of, 110
Chromosome counts, plant, rapid combined fixing and staining method for, 83
Chromosome structure, technic for studying, 57
Chromotrop 2R, 110
Cohen, Isadore and K. D. Doak. The fixing and staining of *Liriodendron Tulipifera* root tips and their mycorrhizal fungus, 25
Congo red, 6, 38, 53, 54, 68
Conn, H. J.
  Progress in standardization of stains: The bacteriostatic use of dyes, 1
  The certification of stains, 3, 41, 73
Contributions of G. Carl Huber to microscopical technic, 79
Cotton blue, 38
Counting nerve fibers or other microscopic units, strip method for, 139
Crabb, E. D. Attaching refractory paraffine sections to the glass slip, (abs.), 66
Cresyl violet, 3, 105
Cresyl violet technic for staining nerve cells, modification of, 105
Crystal violet, 6, 25, 27, 28, 30, 31, 36, 38, 41, 42, 43, 73, 78, 85, 112, 146
Crystal violet P, 112
Cumley, Russell W. Negative stains in the demonstration of bacteria, 53
Cutuly, Elizabeth and Cutuly, E. Improvement of paraffin sections by immersion of embedded tissues in water, (abs.), 66
Cyanosin, 54

Cytological staining, 38, 57, 66, 71, 83, 95, 101, 109, 110
Cytology, killing fluids for, 109
plant, new fixing fluid and revised schedule for paraffin method in, 95

Dagnelie, J.; L. Lison and. Méthodes nouvelles de coloration de la myéline, (abs.), 111
Dahlia, 112
Dahlia H, 112
Davenport, H. A. and J. R. Barnes. The strip method for counting nerve fibers or other microscopic units, 139
Davenport, H. A.; R. L. Swank and. Chlorate-osmic-formalin method for staining degenerating myelin, 87
Marchi's staining method: III. Artefacts and effects of perfusion, 45
Decalcification, method for, 37
Desmids, new staining technic for, 107
Doak, K.; Isadore Cohen and. The fixing and staining of *Liriodendron Tulipifera* root tips and their mycorrhizal fungus, 25
Dufrenoy, J. and H. S. Reed. The choice of killing fluids appropriate for cytological research, (abs.), 109

Elastic tissue, staining of, 68, 70
Embryos, staining the skeleton of with alizarin red S, 61
Eosin alcohol soluble (ethyl eosin), 3
Eosin B, 3
Eosin Y, 3, 7, 9, 10, 12, 13, 14, 17, 18, 65, 72, 73, 109, 110, 111, 127, 128, 130, 131, 133, 146
Erythrocytes, fixation with irradiated eosin, 109
hemolysis of, 109
staining of, 69, 70
Erythrosin, 41, 72, 73
Erythrosin B, 4
Erythrosin Y, 4
Ethyl eosin, 3
Ethyl violet, 112
Ethyl violet VA, 112
Evans, N. and A. Krajian. New method of decalcification, (abs.), 37

Fast green, 30, 86, 107, 108
Fast yellow G, 71
Fat, staining of, 39, 109
Fecal smears, staining of, 111
Feulgen reaction, 110
Fielding, J. W. The staining of acid-fast bacilli. The effect of fixatives and H-ion concentration on acid-fastness, (abs.), 37
Filterable virus, staining of, 67
Fish bone, clearing and dyeing of, 37
Fixing fluid and a revised schedule for the paraffin method in plant cytology, 95
Flagella, bacterial, staining of, 145
Flemming triple stain, 35, 36, 40, 42
Lugol's solution for, 35
Ford, J. Modifications of Mann's and Giemsa's stains for sections of rabid material, (abs.), 66
Frozen sections, staining of, 67
Fuchsin, acid, 5, 14, 18, 35, 38, 41, 71, 73
basic, 4, 5, 6, 37, 38, 39, 40, 41, 43, 70, 73, 112, 145
carbol, 39, 40, 145
Fuchsin G, 112
Fungi, staining of, 25, 37
Fungus, mycorrhizal, on root tips, fixing and staining of, 25

Gentian violet, 17, 36, 40, 41, 42, 43, 57, 70, 72, 73, 112
Gerard, P. Sur l'emploi du noir soudane B. pour reconnaître les inclusions de vaseline liquide, (abs.), 109
Giemsa, G. Geschichte, Theorie und Weiterentwicklung der Romanowsky-Färbung, (abs.), 109
Giemsa stain, 6, 65, 66, 71, 78, 127, 129, 133, 145
"Glychrogel" mounting solution, note on, 21
Gram stain, 42
Green-light method for critical microscopy, Belling's, notes on, 97
Guardabassi, M. Sur la structure des corps de Negri dans les photomicrographies a l'infrarouge, (abs.), 110

Hansburg, L. A new staining method for structures of the spinal cord, (abs.), 145
Hemalum, 69
Hematein, 43, 69
Hematological stain, new. I. Constituents and methods of use, 127
Hematoxylin, 5, 43, 44, 57, 68, 70, 73, 146
Delafield's, 38, 39
iron, 71
Hemoglobiniferous cells, reactions to acid and basic dyes under varying conditions of H-ion activity, 7
Herzberg, K. Viktoriablau zur Färbung von filtreierbarem Virus (Pocken-, Barizellen-, Ektromelia- und Kanarenvogelvirus), (abs.), 67
Heucke, Ruth and Henneberg, W. Volutinnachweis in den lebenden Hefezellen durch Neutralrot, (abs.), 66
Histological technic, trichlorethylene as solvent in, 23
Hollister, Gloria. Clearing and dyeing fish for bone study, (abs.), 37
Hook, H. T. and Bernice Briggs. Iodine-potassium-iodide, as a fixative and differential stain, (abs.), 37

Horgan, E. S. The failure of brilliant green and telluric acid as selective agents for the isolation of *Bacillus typhosus* from faeces, (abs.), 110
Huber, G. Carl, contributions of, to microscopical technic, 79
Hurel-Py, G. De la réaction de Feulgen appliquée aux chondriosomes, (abs.), 110
Hypophysis, staining of, 70

India ink, 53, 54
Indigo carmin, 40
Indulin, 53, 54

Janus green B, 17, 72
Jenner's stain, 65
John, C. Über meine Ergebnisse bei der Darstellung von Nerven-elementen durch das Ankohlungsverfahren, (abs.), 38
Johnstone, H. G.; K. F. Meyer and. Laboratory diagnosis of amebiasis, (abs.), 111

Kahn reaction, sudan method, 145
Kindred, J. E. Reactions of hemoglobiniferous cells to acid and basic dyes under varying conditions of H-ion activity, 7
Kingsley, D. M. A new hematological stain. I. Constituents and methods of use, 127
Kline. E, K. Toxicity of brilliant green for certain bacteria, (abs.), 110
Kornhauser, S. I. Suggestions on the use of the microscope, 91
Krajian, A. A. A modification of Dieterle's method for demonstrating *Spirocheta pallida* in single microscopic sections, (abs.), 68
A new elastic tissue stain, (including connective tissue, fibrin and amyloid), (abs.), 68
A rapid method for the demonstration of reticulum and collagen fibers in frozen sections, (abs.), 67
Krajian, A.; N. Evans and. New method of decalcification, (abs.), 37

La Cour, L. Technic for studying chromosome structure, 57
Leaves, simple method for bleaching, 33
Lendrum, A. C. Celestin blue as a nuclear stain, (abs.), 110
On the cutting of "difficult" tissues, (abs.), 111
Light green, SF yellowish, 10, 14, 18, 30, 38, 107, 108, 110
Lipman, Harry J. Staining the skeleton of cleared embryos with alizarin red S, 61
Lippert, K. M. The photodynamic effect of methylene blue on tetanus toxin, (abs.), 111
Liriodendron Tulipifera root tips and their mycorrhizal fungus, fixing and staining of, 25
Lison, L. and J. Dagnelie. Méthodes nouvelles de coloration de la myéline, (abs.), 111
Lugol's solution for the Flemming triple stain, 35
Lyons blue, 53, 55, 56

Magdala red, 38, 54
Malachite green, 6, 86, 146
Mammals, micro-manipulation of cells in, 135
Maneval, W. E. Rapid staining methods, (abs.), 38
Marchi's staining method: III. Artefacts and effects of perfusion, 45
Margolena, Lubow A. Lugol's solution for the Flemming triple stain, 35
Martens, P. Etude expérimetale des sporocytes de Tradescantia—II. Action du "suc" de la plante sur les cellules vivantes, (abs.), 38
Martius yellow, 6
Matsuo, I. Biologische Untersuchungen über Farbstoffe, (abs.), 145
McArthur, J. N. A new type of portable microscope, (abs.), 39
McVeigh, Ilda. A simple method for bleaching leaves, 33
Media, dyes in, 110, 112
Melman, Mildred; Lucy Mishulow, Marie Romano and. An improved method of direct smear examination for acid-fast bacilli in sputums, (abs.), 39
Metabolism, dyes in, 145
Methyl blue, 30, 55, 56
Methyl green, 6
Methyl orange, 72, 78
Methyl violet, 41, 42, 73, 112
Methyl violet 2B, 36
Methyl violet *non plus ultra*, 112
Methylene azure A, 72, 127, 129, 130
Methylene blue, 6, 7, 10, 15, 16, 17, 18, 19, 35, 39, 44, 72, 73, 78, 111, 127, 128, 129, 145
Methylene blue and acid fuchsin for subcutaneous tissue spread, 35
Methylene violet, 127, 130, 145
Meyer, K. F. and H. G. Johnstone. Laboratory diagnosis of amebiasis, (abs.), 111
Micro-manipulation of cells in mammals, 135
Microörganisms, differentiation of, 112
staining of, 37, 38, 39, 53, 66, 71
Microscope, portable, 39
suggestions on the use of, 91
Microscope lamp especially designed for the Belling method, 113
Mishulow, Lucy, Mildred Melman and Marie Romano. An improved method of direct smear examination for acid-fast bacilli in sputums, (abs.), 39

Molds, preservation of for class use, 108
Mounting solution, "Glychrogel," note on, 21
Mycorrhizal fungus on root tips, fixing and staining of, 25
Myelin, degenerating, chlorate-osmic-formalin method for staining, 87
Myelin, staining of, 87, 111

Naphthol green, 70
Navy blue D conc., 112
Negative stains in demonstration of bacteria, 38, 53
Negri bodies, photographing by infra-red rays, 110
  staining of, 40, 66, 110
Neild, H. W. A rapid method for the preparation of Delafield's haematoxylin, (abs.), 39
Nerve cells, modification of the cresyl violet technic for staining, 105
Nerve fibers, strip method for counting, 139
Nerve tissue, preparation of, 38
  staining of, 40, 70, 87, 105, 110, 111, 145
  vital staining of, 69
Neutral red, 17, 112, 146
New hematological stain. I. Constituents and methods of use, 127
Night blue, 53, 55, 56
Nigrosin, 38, 53, 54, 55, 73
Nile blue sulfate, 6
Nile pink, 39, 40
Notes on technic:
  A new staining technic for desmids, 107
  Lugol's solution for the Flemming triple stain, 35
  Methylene blue and acid fuchsin for subcutaneous tissue spreads, 35
  The preservation of molds for class use, 108

Okino, K. Metallimprägnationsversuche an den Erythrozyten. I. Imprägnierung der Erythrozyten verschiedener Tierarten, (abs.), 68
Oliver, W. W. Staining of the processes (flagella) of human erythrocytes, (abs.), 69
Oltman, R. E. The preservation of molds for class use, 108
  Trichlorethyelene as a solvent in histological technic, 23
Ono, K. Färbung der mit Thrombocyten beladenen Rekurrensspirochäten, (abs.), 112
  Studien über die Färbung der Rekurrensspirochäten, insbesondere über den Zusammenhang der Färbung mit den Vorbehandlungen, (abs.), 112
Orange G, 36, 38, 40, 68, 78
Orseillin BB, 25, 27, 28, 30, 31

Pacheco, G. and C. Rodrigues. Biologie des bactéries du groupe pullorum-gallinarum. Action sur les milieux au lait et sur le Rouge neutre, (abs.), 112
Paraffin method in plant cytology, new fixing fluid and revised schedule for, 95
Parker, B. W. An electrically-heated slide-ringing device, (abs.), 69
Patay, R. Une nouvelle technique de coloration trichromique pour l'histologie, (abs.), 69
Perfusion, effects of, in Marchi's staining method, 45
Permanent root tip smear method, 101
Phloxine, 3, 38, 72, 74
Plant chromosome counts, rapid combined fixing and staining method for, 83
Plant cytology, new fixing fluid and revised schedule for the paraffin method in, 95
Plant tissue, staining of, 25, 40
Poirier's blue, 53, 55
Pollen mother cells, staining of, 57, 66
Preservation of molds for class use, 108
Progress in the standardization of stains (*see Standardization of stains*)
Pyronin, 74, 146
Pyronin B, 74
Pyronin G, 74
Pyronin Y, 74

Randolph, L. F. A new fixing fluid and a revised schedule for the paraffin method in plant cytology, 95
Rapid combined fixing and staining method for plant chromosome counts, 83
Reactions of hemoglobiniferous cells to acid and basic dyes under varying conditions of H-ion activity, 7
Red violet 4R, 112
Reed, H. S.; J. Dufrenoy and. The choice of killing fluids appropriate for cytological research, (abs.), 109
Reisinger, E. Neues zur vitalen Nervenfärbung, (abs.), 69
Rettie, T. A new method of applying Nile blue as a fat stain, (abs.), 39
Rocha E Silva, M.: Otto Bier and. Action des solutions concentrées de NaCl sur l'hémolyse et la fixation des érythrocytes par l'éosine irradiée, (abs.), 109
  Action du KCN sur l'hémolyse photodynamique, (abs.), 109
Rodrigues, C.; G. Pacheco and. Biologie des bactéries du groupe pullorum-gallinarum. Action sur les milieux au lait et sur le rouge neutre, (abs.), 112
Rogers, J. B. Micro-manipulation of cells in mammals, 135

Romano, Marie; Lucy Mishulow, Mildred Melman and. An improved method of direct smear examination for acid-fast bacilli in sputums, (abs.), 39
Root tips, staining of, 38, 83, 95, 101
Root tips and their mycorrhizal fungus, fixing and staining of, 25
Root tip smear method, permanent, 101
Rose bengal, 3, 6, 9, 38, 54, 75, 112
Ruyter, J. H. Une méthode d'entourage pour les préparations, (abs.), 70

Safranin, 28, 30, 31, 36, 38, 40, 75, 112
Scharlach (Sudan IV?), 111
Sections, mounting of, 66, 69, 70
Silver impregnation, 70
Skeleton of embryos, staining with alizarin red S, 61
Sky blue VR, 112
Smear method, root tip, 101
Soluble blue, 55
Solvent in histological technic, trichlorethylene as, 23
Spark, C. A simple differential stain for the human hypophysis, (abs.), 70
Spirochete pallida, staining of, 68
Spirochaetes, staining of, 68
Stains recently certified, 6, 72, 78, 146
Standardization of stains, progress in:
Bacteriostatic use of dyes, 1
Certification of stains, 3, 41, 73
Stockwell, P. A stain for difficult plant material, (abs.), 40
Strip method for counting nerve fibers or other microscopic units, 139
Studying chromosome structure, technic for, 57
Sudan, 66
Sudan III, 78, 111
Sudan IV, 6, 111
Sudan black B, 109, 111
Sudan red B, 109
Sudan R III, 145
Suggestions on the use of the microscope, 91
Swank, R. L. and H. A. Davenport. Chlorate-osmic-formalin method for staining degenerating myelin, 87
Marchi's staining method: III. Artefacts and effects of perfusion, 45

Tetanus toxin, effect of dyes on, 111
Tetrachrome stain, 129, 146
Thionin, 76
Tissue spreads, subcutaneous, methylene blue and acid fuchsin for, 35
Toluidine blue O, 76
Tomita, T., Fujita, T. and Izumi, M. Weitere Mitteilung über die feinere Struktur der Erythrozyten von Säugetieren mit der neuen Silberimprägnationsmethode mit besonderer Berücksichtigung von der Existenz der feineren Struktur in den Menschen-Erythrozyten, (abs.), 70
Tress, Grace and Mildred. A modification of the cresyl violet technic for staining nerve cells, 105
Trichlorethylene as a solvent in histological technic, 23
Trichrome staining, 69, 71
Trypan blue, 35
Tubercle bacillus, staining macroscopically, 71

Van Gieson stain, 5
Victoria blue, 67, 112
v. Volkmann, R. and Strauss, F. Ein Ersatz für die Hornowskysche Kombination zur Darstellung von Elastin, Muskulatur und Kollagen auf der Basis der Azanmethode, (abs.), 70

Wallart, J. and Houette, C. Une coloration trichromique rapid à l'hématoxyline, la fuchsine acide et le jaune solide, (abs.), 71
Warmke, H. E. A permanent root tip smear method, 101
Water blue, 55
Waterman, H. C. A microscope lamp especially designed for the Belling method, 113
Notes on Belling's green-light method for critical microscopy, 97
Weichherz, E. Die Kahnsche Reaktion mit Färbung nach Hecht, (abs.), 145
Wilder, Helen Campbell. An application of blood staining to formalin fixed tissues, (abs.), 65
Wool black, 55
Wotton, R. M. and R. L. Zwemer. A note on "Glychrogel" mounting solution, 21
Wright's stain, 6, 77, 78, 127, 129, 130, 132, 133, 145

Xylidin ponceau, 69

Yeast, staining of, 66

Zach, C. Colorazione macroscopica di colture del bacillo tubercolare su terreno Petragnani a scopo fotografico, (abs.), 71
Zirkle, C. Butyl alcohol and cytological technique, (abs.), 71
Zottner, G. Coloration simple, sûre et rapide des corpuscules de Negri dans les coupes, (abs.), 40
Zwemer, R. L.; R. M. Wotton and. A note on "Glychrogel" mounting solution, 21